Transplant squash response to V-10142.

Trial ID: Veg72-06 Study Dir.: Stanley Culpepper Location: LTF-grass farm Investigator: Stanley Culpepper

Reps: 4 Plots: 5 by 40 feet

Spray vol: 14.8 gal/ac Mix size: 1.5 liters (min 1.0289)

2 V-10142 75 WDG 0.1 LB A/A POST A 1.619 g/mx 102 201 303 404 3 V-10142 75 WDG 0.15 LB A/A POST A 2.429 g/mx 103 205 302 403 4 V-10142 75 WDG 0.2 LB A/A POST A 3.239 g/mx 104 202 301 405	-	-, - ,	,			_		\						
1 None 101 204 305 402 2 V-10142 75 WDG 0.1 LB A/A POST A 1.619 g/mx 102 201 303 404 3 V-10142 75 WDG 0.15 LB A/A POST A 2.429 g/mx 103 205 302 403 4 V-10142 75 WDG 0.2 LB A/A POST A 3.239 g/mx 104 202 301 405	Trt	Treatment	Form	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	o. By I	Rер	•
2 V-10142 75 WDG 0.1 LB A/A POST A 1.619 g/mx 102 201 303 404 3 V-10142 75 WDG 0.15 LB A/A POST A 2.429 g/mx 103 205 302 403 4 V-10142 75 WDG 0.2 LB A/A POST A 3.239 g/mx 104 202 301 405	No.	Name	Conc	Unit	Type	Rate	Unit	Stg	Code	to Measure	1	2	3	4
3 V-10142 75 WDG 0.15 LB A/A POST A 2.429 g/mx 103 205 302 403 4 V-10142 75 WDG 0.2 LB A/A POST A 3.239 g/mx 104 202 301 405	1	None									101	204	305	402
4 V-10142 75 WDG 0.2 LB A/A POST A 3.239 g/mx 104 202 301 405	2	V-10142	75		WDG	0.1	LB A/A	POST	Α	1.619 g/mx	102	201	303	404
	3	V-10142	75		WDG	0.15	LB A/A	POST	Α	2.429 g/mx	103	205	302	403
5 V-10142 75 WDG 0.25 LB A/A POST A 4.048 g/mx 105 203 304 401	4	V-10142	75		WDG	0.2	LB A/A	POST	Α	3.239 g/mx	104	202	301	405
	5	V-10142	75		WDG	0.25	LB A/A	POST	Α	4.048 g/mx	105	203	304	401

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
14.169	g	V-10142	75	WDG	

^{* &#}x27;Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1.5 liters (mix size basis).

Trial Comments

Product amount calculations increased 25 % for overage adjustment.

Transplant squash response to V-10142.

Trial ID: Veg72-06 Study Dir.: Stanley Culpepper Location: LTF-grass farm Investigator: Stanley Culpepper

Crop Code	CUUPE	CUUPE	CUUPE	CUUPE	CUUPE
Rating Data Type	injury	injury	injury	injury	blooms
Rating Unit	%	%	%	%	#/plot
Rating Date	Sep-06-06	Sep-11-06	Sep-18-06	Sep-27-06	Sep-18-06
Assessed By	SC	SC	SC	SC	SC
Trt-Eval Interval	6 DA-A	11 DA-A	18 DA-A	27 DA-A	18 DA-A
Trt Treatment Rate					
No. Name Rate Unit	1	2	3	4	5
1 None	0 c	0 c	0 c	0 b	13 a
2 V-10142 0.1 LB A/A	15 b	23 b	11 b	3 b	2 b
3 V-10142 0.15 LB A/A	14 b	25 b	16 b	1 b	1 b
4 V-10142 0.2 LB A/A	18 b	30 b	17 b	6 b	2 b
5 V-10142 0.25 LB A/A	35 a	49 a	36 a	29 a	0 b
LSD (P=.05)	6.3	8.9	8.2	13.3	6.4
Standard Deviation	4.1	5.8	5.3	8.6	4.2
CV	24.76	22.87	33.22	112.82	121.08
Bartlett's X2	0.248	1.412	5.139	11.883	20.875
P(Bartlett's X2)	0.969	0.703	0.162	0.008*	0.001*

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

	Tra	nsplant squash response to V-1014	2.
Trial ID: Veg72 Location: LTF-c		Study Dir.: Stanley Culpepper Investigator: Stanley Culpepper	
200002011 211 5			
	Stanley Culpepper Univ. of Georgia	RIAL INFORMATION Title: Ext. We	ed Science
Investigator: Affiliation: Postal Code:	Stanley Culpepper Univ. of Georgia 31794	Title: Ext. We	ed Science
	TRIA	AL LOCATION	
Altitude of LL	A 1794 SA LL Corner °:	Trial Status: Trial Reliability: Initiation Date: Planned Completion Date N-Latitude of LL Corner t: Angle y-axis to North	good Aug-26-06 e:
Directions:			
Org: Address 1: Address 2: City:		Phone No:	
Guidelines:	Guideline I	Conducted Under GEP (Y/N): N Description:	
Objective: De	etermine squash respor	nse to POST applied V-10142.	
2. By 18 DAT,	of V-10142 caused at D V-10142 at rates abov	least 14% stunting at 6 and 11 d a we 0.1 lb ai/A caused at least 16 from treatment stunting except w	% stunting.
 At 18 DAT, treated plots. A squash ca 	6 to 12 times more bl	non-treated control began at 14 d looms were noted in the non-treat season stunting as noted with the	ed control as compared to any

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.			

Crop	1:	CUUPE	yellow	squash					Variety: Prelude II
Plant:	ing	Date:	Aug-26-0	5	Plan	ting	Method	l: t	ransplant
Rate:	1	f	Et	Depth	: 1	in		Per	ennial Age:
Row S	paci	ing: 5	ft	Spacing	Within	Row	: 1	ft	Seed Bed: raised/mulch
Soil '	Temr	eratui	ce: 104	F Soil M	oisture	· dr	in		Emergence Date:

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 40 FT Reps: 4

Site Type: LTF

Tillage Type: 2nd crop mulch Study Design: RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

		Maintenance	Form	Form	Form		Rate
No.	Date	Treatment Name	Conc	Unit	Type	Rate	Unit
1.							

SOIL DESCRIPTION

% Sand:	% OM:	 Texture: loamy sand	
% Silt:	pH:	 Soil Name:	
% Clav:	CEC:	Fert. Level:	

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall	Moisture Conditions:		
Closest	Weather Station:	Distance:	Unit:

APPLICATION DESCRIPTION

	A
Application Date:	Aug-31-06
Time of Day:	10 am
Application Method:	broadcast
Application Timing:	POST
Applic. Placement:	overtop
Air Temp., Unit:	81 F
% Relative Humidity:	70
Wind Velocity, Unit:	0 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	84 F
Soil Moisture:	drip
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CUUPE POST
Stage Scale:	1 new lf
Height, Unit:	4 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	23
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 in
Nozzles/Row:	4
Band Width, Unit:	
Boom Length, Unit:	4.5 ft
Boom Height, Unit:	15 inch
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment